

ABSTRACT OF THE DISCLOSURE

Processes for producing higher molecular weight ketones are
5 disclosed that include the steps of feeding an aldol catalyst solution, a
lower molecular weight aldehyde, and a lower molecular weight ketone,
through a reactor provided with a solid hydrogenation catalyst and
hydrogen gas; recovering a liquid reactor effluent containing the higher
molecular weight ketone as a reaction product; and recycling a portion of
10 the recovered liquid reactor effluent back through the reactor.

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